

**CLAIMS****What is claimed is:**

1. In a system for managing application  
installation operations, a method of communicating with an  
5 application, comprising:

receiving from the application a call to set a  
property related to performing an application installation  
operation;

receiving from the application a call to initialize  
10 an application installation operation; and

receiving from the application a call to finalize the  
application installation operation.

2. The method of claim 1, wherein said application  
15 installation operation is at least one of the following:  
install, downsize, reinstall, uninstall.

3. The method of claim 1, further comprising, if  
the application installation operation is not executed  
20 successfully by the application, receiving a call to abort the  
application installation operation.

4. The method of claim 1, wherein said application  
installation operation is install, said call to initialize the  
25 application installation operation is InitializeInstall, and  
said call to finalize the application installation operation is

FinalizeInstall.

5        5.    The method of claim 1, wherein said application  
installation operation is downsize, said call to initialize the  
application installation operation is InitializeDownsize, and  
said call to finalize the application installation operation is  
FinalizeDownsize.

10       6.    The method of claim 1, wherein said application  
installation operation is reinstall, said call to initialize  
the application installation operation is InitializeReInstall,  
and said call to finalize the application installation  
operation is FinalizeReInstall.

15       7.    The method of claim 1, wherein said application  
installation operation is uninstall, said call to initialize  
the application installation operation is InitializeUnInstall,  
and said call to finalize the application installation  
operation is FinalizeUnInstall.

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8.    The method of claim 1, further comprising  
receiving a call from the application to get a property related  
to performing an application installation operation.

25       9.    The method of claim 1, wherein said call to set

a property is SetProperty.

10. A computer readable medium having instructions thereon for performing the method of claim 1.

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11. In a system for managing application installation operations, a method of communicating with an application, comprising:

receiving from the application a call to set a  
10 property related to performing an application install operation;

receiving from the application a call to initialize the application install operation; and

receiving from the application a call to finalize the  
15 application install operation.

12. The method of claim 11, wherein said call to set a property is SetProperty.

20 13. The method of claim 12, wherein said call to SetProperty includes a parameter identifying APP\_PROPERTY\_COMPANYNAME as the property that is being set.

14. The method of claim 13, wherein said call to  
25 SetProperty further includes a parameter for pointing to a

string identifying a company.

15. The method of claim 12, wherein said call to initialize the application install operation is

5 InitializeInstall.

16. The method of claim 12, wherein said call to finalize the application install operation is FinalizeInstall.

10 17. The method of claim 12, further comprising if the application install is not executed successfully by the application, receiving a call to abort the application install operation.

15 18. A computer readable medium having instructions thereon for performing the steps recited in claim 12.

19. The method of claim 12, further comprising the following:

20 receiving a call to SetProperty having a parameter identifying APP\_PROPERTY\_SIGNATURE as the property that is being set;

receiving a call to SetProperty having a parameter identifying APP\_PROPERTY\_CATEGORY as the property that is being

25 set; and

receiving a call to SetProperty having a parameter identifying APP\_PROPERTY\_ESTIMATEDINSTALLSIZE as the property that is being set.

5           20. The method of claim 12, further comprising receiving from the application a call to retrieve an application property.

10           21. The method of claim 20, wherein said call to retrieve an application property is GetProperty.

15           22. The method of claim 21, wherein said call to GetProperty has a parameter identifying APP\_PROPERTY\_GUID as the application property being retrieved.

20           23. The method of claim 21, wherein said call to GetProperty has a parameter for pointing to a string containing a GUID value identifying the application that is the object of the install operation.

24. The method of claim 22, further comprising the following:

receiving a call to GetProperty having a parameter identifying APP\_PROPERTY\_ROOTPATH as the application property  
25 that is being retrieved; and

receiving a call to GetProperty having a parameter identifying APP\_PROPERTY\_SETROOTPATH as the application property that is being retrieved.

5           25. The method of claim 12, further comprising the following:

receiving a call to SetProperty having a parameter identifying APP\_PROPERTY\_EXECUTECLMDLINE as the application property that is being set; and

10           receiving a call to SetProperty having a parameter identifying APP\_PROPERTY\_DEFAULTSETUPEXECMDLINE as the application property that is being set.

26. A computer readable medium having instructions  
15 thereon for performing the method of claim 12.

27. In a system for managing application installation operations, a method of communicating with an application, comprising:

20           receiving from the application a call to set a property related to performing an application uninstall operation;

receiving from the application a call to initialize the application uninstall operation; and

25           receiving from the application a call to finalize the

application uninstall operation.

28. The method of claim 27, wherein said call to set a property is SetProperty.

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29. The method of claim 28, wherein said call to SetProperty has a parameter identifying APP\_PROPERTY\_GUID as the application property that is being set.

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30. The method of claim 29, wherein said call to SetProperty has a further parameter for pointing to a GUID for identifying the application that is the object of the uninstall operation.

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31. The method of claim 27, wherein said call to initialize the application uninstall operation is InitializeUnInstall.

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32. The method of claim 27, wherein said call to finalize the application uninstall operation is FinalizeUnInstall.

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33. The method of claim 27, further comprising if the application uninstall is not successfully executed by the application, receiving a call to abort the application

uninstall operation.

34. A computer readable medium having instructions thereon for performing the steps recited in claim 27.

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35. In a system for managing application installation operations, a method of communicating with an application, comprising:

receiving from the application a call to set a  
10 property related to performing an application downsize operation;

receiving from the application a call to initialize the application downsize operation; and

receiving from the application a call to finalize the  
15 application downsize operation.

36. The method of claim 35, wherein said call to set a property is SetProperty.

20 37. The method of claim 36, wherein said call to SetProperty has a parameter identifying application property APP\_PROPERTY\_GUID as the property being set.

38. The method of claim 37, wherein said call to  
25 SetProperty has a further parameter for pointing to a GUID for



identifying the application that is the object of the downsize operation.

39. The method of claim 35, wherein said call to  
5 initialize the application downsize operation is  
InitializeUnInstall.

40. The method of claim 35, wherein said call to  
finalize the application downsize operation is  
10 FinalizeUnInstall.

41. The method of claim 35, further comprising if  
the application uninstall is not successfully executed by the  
application, receiving a call to abort the application downsize  
15 operation.

42. A computer readable medium having instructions  
thereon for performing the steps recited in claim 35.

20 43. In a system for managing application  
installation operations, a method of communicating with an  
application, comprising:

receiving from the application a call to set a  
property related to performing an application reinstall  
25 operation;

receiving from the application a call to initialize the application reinstall operation; and

receiving from the application a call to finalize the application reinstall operation.

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44. The method of claim 43, wherein said call to set a property is SetProperty.

45. The method of claim 44, wherein said call to  
10 SetProperty has a parameter identifying APP\_PROPERTY\_GUID as the application property that is being set.

46. The method of claim 45, wherein said call to  
SetProperty has a further parameter for pointing to a GUID for  
15 identifying the application that is the object of the reinstall operation.

47. The method of claim 45 further comprising  
receiving a call to SetProperty having a parameter identifying  
20 APP\_PROPERTY\_ESTIMATEDINSTALLSIZE as the application property that is being set.

48. The method of claim 43, wherein said call to  
initialize the application reinstall operation is  
25 InitializeReInstall.

49. The method of claim 43, wherein said call to finalize the application reinstall operation is FinalizeReInstall.

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50. The method of claim 43, further comprising if the application reinstall is not successfully executed by the application, receiving a call to abort the application reinstall operation.

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51. A computer readable medium having instructions thereon for performing the steps recited in claim 43.

52. A system for managing application installation operations, comprising:

a computing device operable to read programmed instructions; and

programmed instructions for performing a method of communicating with an application, comprising:

receiving from the application a call to set a property related to performing an application installation operation;

receiving from the application a call to initialize an application installation operation; and

receiving from the application a call to finalize the

154792.1/MSFT-0245

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application installation operation.

154792.1/MSFT-0245